THIS BRIEFING WILL BE PRESENTED AT THE ITSP-II INDUSTRY DAY (16 AUG 01). IT IS PROVIDED FOR INFORMATION PURPOSES ONLY.

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ELECTRONIC SYSTEMS CENTER (ESC)

INFORMATION TECHNOLOGY SERVICES PROGRAM (ITSP) II

INDUSTRY DAY

16 AUGUST 2001

LIST OF ESC PROGRAMS

Combat Air Forces Command and Control (CAFC2) SPO (ESC/AC)

- Theater Battle Management Core Systems (TBMCS)
- Counterdrug Surveillance & Control System
- Air Sovereignty Operations Center
- Atmospheric Early Warning System
- Ground Tactical Air Surveillance System
- Air Force Mission Support System
- Joint Mission Planning System
- Common Battle Management Software (future)

CAFC2 SPO (ESC/AC) cont'd

- Air Force Weather Weapons Systems
- Peace Shield
- Time Critical Targeting Cell
- Theater Missile Defense
- B-1/B-2 Aircraft/Weapons/Electronics
- Airborne Battlefield Command & Control Systems
- Deliberate & Crisis Action Planning & Execution System
- ESC/AC Infrastructure

Airborne Warning and Control Systems (ESC/AW)

- **U.S. Programs**
  - Radar System Improvement Program (RSIP)
  - Block 40/45
  - Demand Assigned Multiple Access/Global Air Traffic Management
  - Misc. projects: High Frequency-E-mail, Broadcast Intelligence, Identification Fried or Foe, Cooperative Engagement Capability

- **International Programs**
  - NATO Mid-Term
  - French RSIP

Airborne Warning and Control Systems
(ESC/AW)

- **International Programs (cont)**
  - Royal Saudi Air Force Block 35
  - Australia 737
  - Japan 767
  - UK AWACS Modifications
  - New Business: Turkish and Korean programs
- **Advanced Planning & Technology Activities**
  - Network-Centric Collaborative Targeting, Joint Distributed Engineering Plan, Single Integrated Air Picture, Multi-mission C2 Aircraft

Acquisition Support Team (ESC/BP)

- List of ITSP Services Utilized
  - Process Support
  - Training
  - Web/Database/Graphics
  - Environmental Support

C2 Enterprise Integration Office (ESC/CX)

- National Air and Space (Warfare) Model (NASM)
- Joint Expeditionary Force Experiment (JEFX) 02
- Advanced Process & Technology Experiment (APTX) 01
- Air Operations Center Weapon System (AOC WS)
- Enterprise Integration
- Integrated Digital Environment (IDE)
- Combined Air Operational Center - Experiment (CAOC-X)

Defense Information Infrastructure - Air Force
(DII-AF) Program List

- Combat Information Transport System (CITS)
- Defense Message System - Air Force (DMS-AF)
- Air Force Systems Networking (AFSN)
- Theater Deployable Communications (TDC)
- Joint Tactical Radio System (JTRS)
- Tactical Air Control Party Modernization (TACP-Mod)
- Joint Tactical Information Distribution System (JTIDS)
- Joint Tactical Terminal (JTT)
- Scope Shield

Defense Information Infrastructure - Air Force
(DII-AF) Program List (cont)

- Tactical Receive Equipment (TRE)
- JTIDS Foreign Military Sales (FMS)
- Egyptian Ground Air Transmit Receive (GATR) FMS
- Air Force Electronic Key Mgmt System (AFEKMS)
- Public Key Infrastructure (PKI)
- Vulnerability Assessment/Risk Management (VA/RM)
- Joint Battlespace Infosphere (JBI)/Common Data Environment (CDE)
- Tactical Data Links
- GCCS-AF (Global Command and Control System - Air Force)
- GCSS-AF (Global Combat Support System - Air Force)

International Operations Office (ESC/FA)

- Programs
  - OSD Sponsored Partnership For Peace Studies
    - Regional Airspace Initiative Studies
    - Navigational Aids Studies
    - Command and Control Studies
  - Japanese Technical Assistance Cases
    - Base Air Defense Ground Equipment (BADGE)
    - National Command and Control System (NCCS)
  - Canadian Technical Assistance Cases
    - Canadian Frigate Program
    - Canadian Supply System Upgrade

FORCE PROTECTION C2 SYSTEMS (ESC/FD)

- Base & Installation Security Systems
  - Intrusion Detection & Assessment
  - Access Control
  - Delay/Denial
- Weapons Storage & Security System
- Tactical Automated Security System
- Flightline Security Enhancement Program
- New Product Development/Assessment

Cost Tools Program (ESC/FMC)

- **Sustainment of existing Cost Tools**
  - Automated Cost Estimating Integrated Tools (ACE-IT)
  - Web Services
  - Estimating Methodologies
- **Development of new tools**
  - Add-ons and enhancements to ACE-IT
  - New automated tools from concept to prototype
  - New methodologies based on historical data & expert opinion
- **Training**
  - Cost Estimating & Automated Tools
  - Cost Lecture Series Seminars

Global Air Traffic Operations Mobility Command and Control (ESC/GA)

- National Airspace System (NAS)
- Global Air Traffic Operations (GATM)
- Global Transportation Network (GTN 21)
- Landing Systems
- Foreign Military Sales
- Advanced Development
- Integrated Digital Environment
- Contracting Support
- Financial Management Support

Joint STARS
(ESC/JS)
Program Description

Mission: The JSTARS E-8C Aircraft Provides

Long endurance, all weather, near-real-time Wide Area Surveillance, Moving Target Indicator (MTI) and Synthetic Aperture Radar (SAR) Images

Battle Management for Joint/Combined Theater Operations

Fully Integrated with US Army Common Ground Stations (CGS)

Customers:

93d ACW, AC2ISRC, ACC, Theater CINCS

Key Stakeholders: AFMC, AFPEO/C2 & CS, SAF/AQ, CECOM

Contractors:

Prime -- Northrop Grumman -- Melbourne, FL, Lake Charles, LA, Norwalk, CT

Raytheon E-Systems, Greenville, TX

Greenwich Air Services, Miami, FL

Cubic Corporation, San Diego, CA

AAI Corporation, Hunt Valley, MD

Joint STARS
(ESC/JS)
Products & Processes

- **Joint STARS Production**

- **Sustainment and Support**
  - Total System Support Responsibility (TSSR)
  - Wing Structural Integrity Program (WSIP)
  - Fuel Cells Reseal Effort

- **Modifications**
  - Computer Replacement Program (CRP)
  - Satellite Communications (SATCOM)
  - Improved Data Modem (IDM)

Joint STARS (ESC/JS)
Products & Processes (cont)

- **Future Plans**
    - Link 16
    - Ground Moving Target Indicator (GMTI)
    - Joint STARS Extended Test Support (JETS)
    - Training Systems
    - Re-Engining the Fleet
    - Global Air Traffic Management (GATM)

- **And engaged in numerous "C2 Enterprise" activities**

MILSATCOM Terminals Program Office (ESC/MC)

- **Wideband/Protected Terminals**
  - **Milstar Command Post**
  - **Family of Advanced Beyond-Line-of-Sight Terminals (FAB-T)**
  - **Secure Mobile Anti-jam Reliable Tactical Terminal (SMART-T)**
  - **Single Channel Anti-Jam ManPortable (SCAMP)**
  - **Defense Satellite Communications System (DSCS)**
  - **Ground Multi-band Terminal (GMT)**
  - **Global Broadcast Service (GBS)**
- **Narrowband Terminals**
  - **Airborne Integrated Terminal Group (AITG)**
  - **SPITFIRE/Multi-Band, Multi-Mission Radio (MBMMR)**

ND C2 SPO (ESC/ND) Merged Portfolio List

NDC	Command & Control Centers & Applications	ACAT
	• NORAD/USSPACECOM Warfighter Support System (N/UWSS)	2
	• Mobile Consolidated Command Center (MCCC)	3
	• Shared Early Warning System (SEWS)	3
	• National Missile Defense (NMD) Battle Management, Command, Control, & Communications (BMC3)	3
NDW	Global Awareness	
	• GLOBUS II (Have Stare)	3
	• Ground Based Electro-Optical Deep Space Surveillance (GEODSS) Upgrades	3
	• Perimeter Acquisition Characterization System (PARCS)	3

ND C2 SPO (ESC/ND) Merged Portfolio List

NDB Early Warning Radars   **ACAT**

- Upgraded Early Warning Radars (UEWR)   3
- Early Warning Radar Service Life Extension 3
  Program (EWR SLEP)
- Ballistic Missile Early Warning Radar (BMEWS) 3
- Phased Array Warning System (PAVE PAWS) 3

NDM Global Grid

- Defense Improved-Emergency-Message-Automatic-
  Transmission-System [IEMATS] Replacement
  C2 Terminal (DIRECT)   3
- Modified Miniature Receive Terminal (MMRT) 3
- Minuteman MEECN Program (MMP)   3
- Miniature Receive Terminal (MRT)   3
- Survivable Low Frequency Communication System 3

Intelligence, Surveillance & Reconnaissance Integration SPO (ESC/SR)

- **Distributed Common Ground System (DCGS)**
- **Eagle Vision (EV)**
- **Tactical Exploitation Group (TEG)**
- **Tactical Input Segment (TIS)**
- **Squadron Group Station (SGS)**
- **DRUID**
- **Multiple Sensor Imagery Cueing (MUSIC)**
- **Intelligence Training System (ITS)**
- **Multimedia Message Manager (M3)**
- **Integrated Broadcast Service (IBS)**
- **Foreign Military Sales (FMS) - Defensive Radar Program**

Intelligence, Surveillance & Reconnaissance Integration SPO (ESC/SR)

- **Multi-Platform Radar Technology Insertion Program (MP-RTIP)**
- **Airborne Broadcast Intelligence (ABI)**
- **Multi Int TPED System (MITS)**
- **Advanced Remote Ground Unattended Sensor (ARGUS)**
- **Panther Den**
- **Information Warfare Planning Capability (IWPC)**
- **Combat Identification**
- **Information Warfare**
- **National Intelligence Systems**
- **Theater Air Defense**
- **Classified Technologies**

**Plans and Programs Directorate
Contracted Support Management
(ESC/XPK)**

- **Federally Funded Research and Development Center
  (FFRDC) Support**

- **Support Engineering and Technical Assistance
  (SETA) Support**

38th Engineering Installation Group
(38th EIG)

- Systems Telecommunications Engineering Manager (STEM) Broadgage Estimates

- Network Assessment

- Combat Information Transport System (CITS) Program Office Support

Cryptologic Systems Group (CPSG)

- Air Force Electronic Key Management System
  - POC: Charles Suehs, ESC/DIWK-1
  - 210-977-3738; DSN 969-3738
  - Charles.suehs@lackland.af.mil
- Air Force Public Key Infrastructure
  - POC: Capt. Julio Guerrero, ESC/DIWS
  - 210-925-2010; DSN 945-2010
  - Julio.guerrero@lackland.af.mil

Materiel Systems Group (MSG)

- **Type of support anticipated**

  - **Program office support**
  - **SOW / SOO / PWS draft preparation**
  - **Testing and Validation**
  - **Configuration Management**
  - **Logistics**

Standard Systems Group (SSG)

- Global Combat Support System-Air Force
- Logistics Plans
- Integrated Logistics
- Information Processing Management System
- Standard Contracting Information Systems
- Defense Message System-Air Force
- Support to multiple smaller programs